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Flame-retarding polymer compsn. - contg. siloxane and Gp-IIa
metal carboxylate, esp. for insulation on metal conductor

Patent Assignee: GENERAL ELECTRIC CO (GENE)

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Number of Countries: 007 Number of Patents: 012

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
NL 8005713	A	19810422				198119	B
DE 3038930	A	19810430	DE 3038930	A	19801015	198119	
GB 2060652	A	19810507				198119	
FR 2467877	A	19810515				198127	
US 4273691	A	19810616				198127	
JP 56100853	A	19810813	JP 80145535	A	19801017	198139	
GB 2060652	B	19830629				198326	
JP 86031732	B	19860722	JP 8640528	A	19860000	198633	
JP 61241344	A	19861027				198649	
IT 1133714	B	19860709				198802	
JP 88010184	B	19880304				198813	
DE 3038930	C	19891214				198950	

Priority Applications (No Type Date): US 7985900 A 19791018

Abstract (Basic): NL 8005713 A

Flame-retarding compsn contains (a) 70-98 wt% of organic polymer,
(b) 1-10% of siloxane, and (c) 1-20% of a salt of a Gp IIA metal and a
6-20C carboxylic acid. Pref polymers are the claimed polymers are
polyethylene, polypropylene, high- impact polystyrene, and
polycarbonates.

A metal conductor insulated with the compsn is claimed. Other uses
include casings for household goods, interiors of automobiles, motors,
electric components, coffee machines, and pump housings. Use of Pb cpds
is avoided.

Title Terms: FLAME; RETARD; POLYMER; COMPOSITION; CONTAIN; SILOXANE;
GROUP-IIA; METAL; CARBOXYLATE; INSULATE; METAL; CONDUCTOR

Derwent Class: A26; A85; E12; L03; P73; X12

International Patent Class (Additional): B32B-025/20; C08K-003/24;
C08K-003/36; C08K-005/09; C08L-023/02; C08L-025/04; C08L-069/00;
C08L-083/04; C08L-101/00; C09K-003/28; D02G-003/00; H01B-003/18;
H01B-003/30; H01B-007/28

File Segment: CPI; EPI; EngPI

Manual Codes (CPI/A-N): A08-F; A08-M03; A12-E02A; E05-B01; E10-C04L;
L03-A01B

Plasdoc Codes (KS): 0004 0011 0037 0054 0057 0060 0063 0064 0066 0205 0222
0224 0226 0228 1232 1306 2020 2218 2219 2225 2266 2293 2300 2315 2511
2599 2622 2667 2679 2681 2727 2737 2742 2751 2756 2760 2763 2829 0239
0246 0248 1283 1292 1294 0010 0241 0418 2001 0307 0377 1096 0009 0218
0304 2617

Polymer Fragment Codes (PF):

001 011 02& 03& 038 041 046 047 048 05- 050 06- 075 135 136 141 143 15&
15- 150 155 157 158 17- 18& 18- 19& 19- 229 231 247 266 267 308 310
311 312 314 329 341 38- 42& 44& 44- 444 473 475 477 48- 539 541 551
560 561 604 608 623 627 629 637 640 641 672 688 694 695 720 721 723
002 011 02& 03& 032 034 038 041 046 047 05- 06- 074 075 077 135 136 15&
15- 17- 18& 18- 19& 19- 229 231 24- 247 266 267 27& 308 310 311 312
314 329 341 38- 42& 44& 44- 444 473 475 477 48- 539 541 551 560 561
582 604 608 623 627 629 637 640 641 672 694 695 720 721 723

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 44& 44- 444 473 475 477 48- 539 541 551 556 560 561 604 608 623 627
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Chemical Fragment Codes (M3):

05 J1 M210 M215 M216 M220 M221 M222 M223 M224 M225 M226 M231 M232 M233
 M260 M281 M315 M316 M320 A256 A960 C710 A204 A238 A212 A220 J171
 M620 H721 M630 Q130 M510 J0 M520 M530 M540 Q334 Q451 Q454 Q610 Q621
 Q622 M781 R043 R004 M411 M416 M902